CONTENTS OF VOLUME 33 (1992)

Epicardial fat causing pitfalls in CT and MR imaging of the pericardium
O. Duvernoy, S. G. Larsson, J. Thurén & W. Rauschning 1

Computer-aided interpretation of coronary cineangiograms. Accuracy of automatic detection of stenotic lesions
T. Sugahara, Y. Yamagihara, N. Sugimoto, K. Kimura, K. Awano & T. Azumi 6

Decreased perfusion in myocardial region of normal donor artery secondary to collateral development. Stress ^{201}Tl myocardial emission CT performed in patients with single vessel exertional angina having collaterals
Y. Koga, M. Takahashi, A. Kojima, Y. Takaki, S. Tomiguchi, Y. Hirota, K. Kugiyama, H. Yasue & K. Hayasaki 10

"Chess-board pattern" spatial modulation of magnetization. Assessment of myocardial function
C. Thomsen 16

Phlebography as the gold standard in thromboprophylactic studies? A multicenter interobserver variation study
P. Wille-Jørgensen, L. Borris, L. N. Jørgensen, O. Hauch, M. R. Lassen, A. M. Nehen, L. Kjær & R. Jensen 24

Patency after iliac and femoro-popliteal angioplasty. Difference between angiographic and clinical results
B. Thorvinger, L. Norgren & U. Albrechtsson 29

CT of carcinoma of the renal pelvis
U. Nyman, J. Oldbring & P. Aspelin 31

CT analysis of metastatic neoplasms of the kidney. Comparison with primary renal cell carcinoma
H. Honda, C. E. Coffman, K. S. Berbaum, T. J. Barloon & K. Masuda 39

CT and angiography in adrenocortical carcinoma
F. Kolmannskog, A. Kolbenstvedt & I. B. Brekke 45

Lithotripsy of urinary bladder stones with a mechanical lithotriptor inserted through a narrow introducer. An experimental study in pigs
C.-G. Lindberg, H. Henrikson, E. Lindstedt, C. Lundstedt & H. Stridbeck 50

Ultrasonography, CT, and ERCP in the diagnosis of choledochal stones
P. Pasanen, K. Partanen, P. Pikkarainen, E. Alhava, A. Pirinen & E. Janatuinen 53

Emergent embolization for control of massive hemorrhage from a splanchnic artery with a new coaxial catheter system
M. Okazaki, H. Higashihara, F. Koganemaru, H. Ono, R. Fujimitsu, S. Yamasaki, H. Toyoshima, S. Sato, T. Hoashi & T. Kimura 57

Relation between lightscanning and the histologic and mammographic apperance of malignant breast tumors
O. Jarlman, G. Balldin, I. Andersson, M. Löfgren, A. S. Larsson & F. Linell 63

Diagnostic accuracy of lightscanning and mammography in women with dense breasts
O. Jarlman, I. Andersson, G. Balldin & S. A. Larsson 69

Diagnostic imaging in fracture of lumbar vertebral ring apophyses
A. Wagner, M. J. Albeck & F. F. Madsen 72

Rhabdomyosarcoma of the petrous ridge. CT and MR imaging in an atypical case with multiple cranial nerve palsy
V. Zampa, M. Mascalchi, G. P. Giordano, U. Bongini & G. Dal Pozzo 76

Interobserver variability in the radiographic diagnosis of adult outpatient pneumonia
H. Melbye & K. Dale 79

Ultra low field MR imaging of cervical spine involvement in rheumatoid arthritis
M. Fagerlund, J. Björnebrink, L. Ekelund & G. Toolanen 89

Spinal gas collection demonstrated at CT
J. Hjarbæk, P. W. Kristensen & P. Hauge 93

Colloid scintigraphy showing red bone marrow extension in patients with prostatic carcinoma
U. Rudberg, R. Udén & S.-O. Ahlbäck 97

Phantom studies of triple photon absorptiometry and bone mineral measurement at a hip prosthesis
T. J. Farrell & C. E. Webber 103

Radiography of the male breast in gynecomastia
T. J. Rissanen, H. P. Mäkäräinen, M. J. Kallioinen, H. O. Kiviniemi & P. I. Salmela 110

Muscular hamartoma of the breast. A case report
B. Fiirgaard & S. Kristensen 115

Digital luminescence radiography using a chest phantom. Comparison between radiographs displayed on monitor and hard-copy
M. Kehler, U. Albrechtsson, E. Arnadóttir, A. Ebbesen, P. Hochbergs, A. Lundin, K. Lyttkens, K. Kheddache, L. G. Månsson & J.-E. Angelhed 117

CT in pancreatic involvement on non-Hodgkin lymphoma
L. Prayer, H. Schurawitzki, R. Mallek & G. Mostbeck 123

Extracorporeal shockwave lithotripsy for a giant calcified gallbladder stone. Case report
J. Herbetko & H. J. Burhenne 128
CT-guided percutaneous drainage and fluid aspiration in intensive care patients
H. Schurawitzki, F. Karnel, R. Stiglbauer, S. Schimmerl & E. Salomonowitz 131
Ultrasound-guided aspiration cytology of the spleen
T. Siniluoto, M. Päivänsalo, T. Tikkakoski & M. Apaja-Sarkkinen 137
A prospective comparison of ^{99m}Tc-labeled polyclonal human immunoglobulin and ^{111}In granulocytes for localization of inflammatory bowel disease
J.-W. Arndt, A. van der Sluys Veer, D. Blok, G. Griffioen, H. W. Verspaget, A. Salvador Peña, C. B. H. W. Lamers & E. K. J. Pauwels 140
Carotid-cavernous fistula treated with detachable balloon during bilateral transcranial Doppler monitoring of middle cerebral arteries. A case report
P. H. Nakstad, J. K. Hald & W. Sorteberg 145
Restenosis after percutaneous transluminal coronary angioplasty
H. K. Pedersen, K. Vatne & S. Simonsen 149
Percutaneous transluminal angioplasty of crural arteries
F. Flueckiger, J. Lammer, G. E. Klein, K. Häusegger, E. Pilger, F. Waltner & M. Aschauer 152
Application of expandable metallic stents to the venous system
S. Sawada, Y. Fujiwara, T. Koyama, M. Kobayashi, N. Tanigawa, T. Iwamiya, Y. Katsube, H. Nakamura & S. Furui 156
Leukotriene B_4 and peptido-leukotriene levels during radiographic contrast media infusion
M. Gardinali, C. Pozzato, L. Conciato, M. Di Bello, A. Calcagno, C. Uslenghi & A. Agostoni 160
Granulocyte chemotaxis before and after urography. Influence of four different radiographic contrast media
F. Rasmussen, J. Georgsen, J. O. Pedersen & S. Antonsen 164
Quantitative radio-isotope scanning of the sacroiliac joints in ankylosing spondylitis
Ø. Skaar, K. Dale, M. W. Lindegaard, Ø. Førre & E. Kåss 169
Balloon dilatation of esophageal strictures in children with a simplified technique
J. Lehtovirta, O. Kiekara & S. Soimakallio . . . 172
Air-contrast ultrasonography. A new method for assessment of percutaneous injection technique
A. Coulthard & J. C. Thow 173
MR imaging, flow and motion. Review Article
F. Ståhlberg, A. Ericsson, B. Nordell, C. Thomsen, O. Henriksen & B. R. R. persson 179
MR imaging of chronic alcoholism
K. Hayakawa, H. Kumagai, Y. Suzuki, N. Furusawa, T. Haga, T. Hoshi, Y. Fujiwara & K. Yamaguchi 201
MR imaging of intradural extramedullary tumors
M. H. Li, S. Holtås & E.-M. Larsson 207
MR imaging with histopathological correlation in vertebral metastases of breast cancer
M. Petrén-Mallmin, B. Nordström, I. Andréasson, R. Nyman, H. Jónsson Jr, W. Rauschning & A. Hemmingsson 213
Contrast medium injected into juvenile bone cysts to analyze interior morphology and guide intracavity corticosteroid treatment
M. Rosenborg, A. Karlsson, G. Hirsch & W. Mortensson 221
Combined CT-guided biopsy and cytology in diagnosis of bony lesions
T. Tikkakoski, S. Lähde, J. Puranen & M. Apaja-Sarkkinen 225
Combined angioplasty with the Kensey catheter and balloon angioplasty in occlusive arterial disease. A preliminary report
P. Lukes, A. Wihed, G. Tidebrant, B. Risberg, P. Örtenwall & T. Seeman 230
Precision of hyaline cartilage thickness measurements
K. Jonsson, K. Buchwalter, M. Helvie, L. Niklason & W. Martel 234
Radiologic approach to bile duct cysts in adults
G. Hagen & F. Kolmannskog 240
Regenerative nodules in hepatic cirrhosis. Value of gradient-echo MR imaging with a surface coil
B. Van Beers, J. P. Trigaux, C. Grandin, J. Jamart, R. Demeure, A. Geubel, R. Brenard, M. Melange, A. N. Dardenne & J. Pringot 245
CT and angiography in chronic liver disease
F. Aspestrand & F. Kolmannskog 251
Liver trauma and transection of the inferior vena cava. Sentinel contrast sign and hepatic perivenous tracking
D. R. Radin 255
In vivo ^{19}F MR spectroscopic study of metabolism of 5-fluorotryptophan in rat liver
H. Harada, H. Nishitani, K. Koga, I. Miura & R. Kido 258
Differential diagnosis of adrenal masses using out-of-phase FLASH imaging. A preliminary report
Y. Tsushima, H. Ishizaka, T. Kato & M. Matsumoto 262
Concomitant changes in MR image and morphology induced by glucose and fructose in B16 mouse melanomas
P. Naeser, K. Å. Thuomas, A. Roberto & B. S. Larsson 266
Phagocytic properties of granulocytes after intravenous injection of ioxaglate or iohexol
F. Rasmussen, J. Georgsen, S. Antonsen & N. Grunnet 271

Lack of correlation between ulnar variance and carpal bone angles on lateral radiographs in normal wrists
C. Falck Larsen, S. Lindequist & T. Bellstrøm 275
Time-resolved transillumination of the breast
O. Jarlman, R. Berg & S. Svanberg 277
Ultrasound guided nephrostomy utilizing a one-step balloon catheter. Introduction of a new technique
S. Karstrup, T. Mygind, T. Lorentzen, H. Nerstrøm, C. Nolsøe & H. Rygaard 279
Single exposure dual-energy subtration radiography of the upper airways using computed radiography
K. Odagiri, T. Fujiwara, K. Andoh, Y. Kinno, H. Matsuura & M. Tsukuda 281
Ductus arteriosus aneurysm imaging using modern diagnostic methods. Review Article
S. Laurin, S. Sandström, K. Ivancev, J. Williams, N.-R. Lundström & B. Eriksson 285
Iliac artery stenting - clinical experience with the Palmaz stent, Wallstent, and Strecker stent
K. A. Hausegger, J. Lammer, B. Hagen, F. Flückiger, M. Lafer, G. E. Klein & E. Pilger 292
Clinical utility of real-time compression ultrasonography for diagnostic management of patients with recurrent venous thrombosis
H. Heijboer, L. M. M. Jongbloets, H. R. Büller, A. W. A. Lensing & J. W. ten Cate 297
MR imaging of acute myocardial infarction in pigs using Gd-DTPA-labeled dextran
M. Wikström, H. J. Martinussen, G. Wikström, A. Ericsson, R. Nyman, A. Waldenström & A. Hemmingsson 301
Complications of percutaneous pericardiocentesis under fluoroscopic guidance
O. Duvernoy, J. Borowiec, G. Helmius & U. Erikson 309
Influence of CT on tumor classification of laryngeal carcinomas
R. Dullerud, J. G. Johansen, T. Dahl & H. Faye-Lund 314
Thallium-technetium subtraction scintigraphy of enlarged parathyroid glands after calcitonin stimulation of parathyroid hormone secretion
A. Bergenfelz, J. Tennvall & B. Ahrén 319
Gd-DTPA-enhanced MR imaging of pituitary macroadenomas
P. Lundin & K. Bergström 323
CT showing early ventricular dilatation after subarachnoidal hemorrhage
I. Johansson, H. G. Bolander & H. Kourtopoulos 333
MR imaging of spinal lymphoma
M. H. Li, S. Holtås & E.-M. Larsson 338
Abdominal ultrasonography in myelofibrosis
T. M. J. Siniluoto, S. A. Hyvärinen, M. J. Päivänsalo, M. J. Alavaikko & I. J. I. Suramo 343
Assessment of liver iron overload in thalassemic patients by MR imaging
N. Villari, D. Caramella, A Lippi & C. Guazzelli 347
Hilar cholangiocarcinoma. An evaluation of subtypes with CT and angiography
Y. Yamashita, M. Takahashi, S. Kanazawa, C. Charnsangavej & S. Wallace 351
Experimental transjugular portacaval shunt. Use of a fine-needle puncture device for the implantation of Strecker stents
W. Cwikiel & H. Stridbeck 356
Air enema revisited in assessment of colitis
E. Lindström & B. Norén 360
CT demonstration of fat density in renal cell carcinoma
D. R. Radin & P. Chandrasoma 365
Iopentol in urography. A clinical comparison between iopentol and metrizoate including delayed reactions
O. Sortland, J. G. Johansen, A. N. Øksendal & A. Waaler 368
Level of plasma prekallikrein and its inhibitors in reactors and nonreactors during intravenous enhancement with contrast media
H. J. Aronen, L. Kivisaari, I. Torstila, T. Paavonen, S. Meri, S.-L. Karonen & C.-G. Standertskjöld-Nordenstam 374
Granulocyte adherence is inhibited by radiographic contrast media in vitro
F. Rasmussen, S. Antonsen & J. Georgsen 379
Mone Carlo simulation of multiple scattering in Compton spectroscopy
J. Persliden 384
MR imaging of pituitary macroadenomas before and after transsphenoidal surgery
J. K. Hald, P. H. Nakstad, T. Kollevold, S. J. Bakke & I. O. Skalpe 396
Measurements of T1 and T2 over time in formalin-fixed human whole-brain specimens
M. Tovi & A. Ericsson 400
Gadodiamide injection and Gadopentetate dimeglumine. A double-blind study in MR imaging of the CNS
G. Myhr, P. A. Rinck & A. Børseth 405
Temporomandibular joint movement. Evaluation of protrusive splint therapy with GRASS MR imaging
M. Maeda, S. Itou, Y. Ishii, K. Yamamoto, Y. Kawamura, T. Matsuda, N. Hayashi & Y. Ishii 410
CT appearances of normal and obstructed submandibular duct
S. Aasen & A. Kolbenstvedt 414
Diagnosis of aneurysm of superior thyroid artery by CT and MR imaging
H. Fujimoto, S. Yasuda, A. Kashimada, D. Sato, S. Takebayashi, M. Kunimoto & N. Arimizu ... 420
Ultrasound guided tumour biopsy in the anterior mediastinum. An alternative to thoracotomy and mediastinoscopy
T. Andersson, P. G. Lindgren & A. Elvin 423

Bedside chest radiography using digital luminescence. A comparison between digital radiographs reviewed on a personal computer and as hard-copies
K. Lyttkens, B. Andersson, M. Kehler & L. Lindberg 427
MR imaging of acute renal cortical necrosis. A case report
S. H. Kim, M. C. Han, S. Kim & J. S. Lee 431
Polyetiology of renal allograft dysfunction. Does calculation of the resistive index still make sense?
R. Mallek. G. H. Mostbeck, R. Kain, G. Sunder-Plassmann, T. Helbich & D. Tscholakoff 434
Calcified bladder tumors. CT features
W. K. Moon, S. H. Kim, J. M. Cho & M. C. Han 440
Leiomyosarcoma in Poland's syndrome. A case report
D. Shaham, N. Ramu & J. Bar-Ziv 444
Nonresectable adenocarcinoma of the rectum assessed by MR imaging before and after chemotherapy and irradiation
G. Frykholm, A. Hemmingsson, R. Nyman, L. Påhlman & B. Glimelius 447
Anal sphincter size measured by endosonography in healthy volunteers. Effect of age, sex, and parity
M. B. Nielsen, C. Hauge, O. Ø. Rasmussen, M. Sørensen, J. F. Pedersen & J. Christiansen 453
Thrombosed hemorrhoid mimicking rectal carcinoma at CT
E. Ben-Chetrit & J. Bar-Ziv 457
Hydatid disease of the spleen. Ultrasonography, CT and MR imaging
W. N. von Sinner & H. Stridbeck 459
Aberrant left gastric vein directly draining into left portal venous system. A case report
H. Tajima, R. Murakami & T. Kumazaki 462
Bone marrow extension and pelvic bone marrow activity in alcoholic liver disease. A RES scintigraphic investigation
U. Rudberg 464
P-31 MR spectrum and histologic changes after intrahepatic arterial injection of iodized oil in normal and cirrhotic rat liver
A. Ohkusa, H. Yoshioka & O. Ishida 468
Necrosis observed on CT enhancement is of prognostic value in soft tissue sarcoma
P. Gustafson, K. Herrlin, L. Biling, H. Willén & A. Rydholm 474
Comparison of dual energy X-ray absorptiometry of the proximal femur with morphologic data
P. Hübsch, H. Kocanda, S. Youssefzadeh, B. Schneider, F. Kainberger, G. Seidl, A. Kurtaran & S. Gruber 477
Pharmacokinetics of iopentol in patients with chronic renal failure
M. G. Svaland, F. Kolmannskog, P. E. Lillevold, K. P. Nordal, L. Ressem & K. J. Berg 482
Addition of sodium to the nonionic contrast medium iohexol during coronary angiography in man. Lack of electrocardiographic or hemodynamic effects
H. Vik-Mo, A. Bjørkhaug, R. Danielsen, M. Følling, Y. Kloster & K. Skinningsrud 485
Granulocyte adherence after intravenous and intraarterial injection of ioxaglate or iohexol
F. Rasmussen, S. Antonsen, J. Georgsen & S. Lindequist 490
Radiographic contrast media and release of neutrophil specific proteins in vitro and after intravenous injection
F. Rasmussen, S. Antonsen, J. Georgsen & J. K. Christensen 495
CT of the wrist in suspected scaphoid fracture
K. Jonsson, Å. Jónsson, M. Sloth, P. Kopylov & H. Wingstrand 500
CT attenuation of normal liver parenchyma on delayed scanning with iohexol
G. Tidebrant, P. Lukes & A. Wihed 502
Comparison of 12-bit and 8-bit gray scale resolution in MR imaging of the CNS. An ROC analysis
H.-J. Smith, S. J. Bakke, B. Smevik, J. K. Hald, G. Moen, B. Rudenhed & A. Abildgaard 505
Ultrasound guided needle biopsy of brain tumors using an automatic sampling instrument
H. Benediktsson, T. Andersson, U. Sjölander, M. Hartman & P. G. Lindgren 512
CT and MR imaging of primary tumors of the masticator space
F. Aspestrand & M. Boysen 518
Comparison of CT findings in non-Hodgkin's disease and squamous cell carcinoma of the maxillary sinus
S. Matsumoto, H. Shibuya, S. Tatera, E. Yamazaki & S. Suzuki 523
Large vein sampling for intact parathyroid hormone in preoperative localization of enlarged parathyroid glands
A. Bergenfelz, C. Lundstedt, H. Stridbeck & B. Ahrén 528
Intravascular ultrasonographic appearance of angiographically normal arteries related to age and the occurrence of vascular disease
K.-D. Bolz, K. Tveit, A. Nordby, H. O. Myhre, K. Gåserud, G. Østrem, S. Ommedal & B. A. J. Angelsen 532
Holmium:YAG laser angioplasty. Experimental ablation of vascular tissue via flexible ring catheters
S. H. Duda, M. Wehrmann, K. K. Haase, P. E. Huppert, K. R. Karsch & C. D. Claussen 538
Visual interpretation compared with caliper and computerized measurements in experimental vessel stenosis
Y. Yanagihara, T. Sugahara & Y. Fukunishi ... 542
Diagnosis of tracheal carcinoma at chest radiography
M. P. Manninen, T. A. Paakkala, J. S. Pukander & P. H. Karma 546

High resolution CT in children with cystic fibrosis
R. Stiflbauer, H. Schurawitzki, I. Eichler & M. Götz 548
CT diagnosis of macrodystrophia lipomatosa. A case report
R. Jain, S. Sawhney & M. Berry 554
CT compared to angiography for staging of tumors of the pancreatic head
F. Aspestrand & F. Kolmannskog 556
Splenic abscess. Imaging and intervention
T. Tikkakoski, T. Siniluoto, M. Päivänsalo, M. Taavitsainen, M. Leppänen, K. Dean, M. Koivisto & I. Suramo 561
CT evaluation of compensatory renal growth in relation to postnephrectomy time
P. Prassopoulos, N. Gourtsoyiannis, D. Cavouras & N. Pantelidis 566
Plain radiography, renography, and ^{99m}Tc-DMSA renal scintigraphy before and after extracorporeal shock wave lithotripsy for urolithiasis
O. Munck, I. Gerquari, J. T. Møller, L. I. Jensen & H. S. Thomsen 569
Acute renal failure secondary to rhabdomyolysis. MR imaging of the kidney
S. H. Kim, M. C. Han, S. Kim & J. S. Lee 573
MR imaging with STIR technique and air insufflation for local staging of bladder neoplasms
C. Bartolozzi, D. Caramella, V. Zampa, M. Olmastroni, P. Innocenti, I. Menchi, A. Lapini & A. Amorosi 577
MR pelvimetry – a practical alternative
A. R. Wright, P. T. English, H. M. Cameron & J. B. Wilsdon 582
One or two samples for determination of total plasma clearance of a nonionic contrast medium in patients undergoing enhanced CT
H. S. Thomsen, A. Vestergaard, K. Golman & S. Dorph 588
Comparison of intravenous contrast agents for CT studies in children
M. D. Cohen, E. Herman, D. Herron, S. J. White & J. A. Smith 592
Influence of contrast media on single nephron glomerular filtration rate in rat kidney. A comparison between diatrizoate, iohexol, ioxaglate, and iotrolan
J. Ueda, A. Nygren, P. Hansell & U. Erikson . . 596
Viscosity of some contemporary contrast media before and after mixing with whole blood
Ö. Smedby 600
Motion associated susceptibility artifacts
T. Bach-Gansmo, A. Ericsson, P. Leander, A. K. Fahlvik & A. Hemmingsson 606
Iodixanol – a new nonionic dimer – in aortofemoral angiography
U. Albrechtsson, H. Lárusdóttir, L. Norgren & B. Lundby 611